

Product Information

CF® Dye Biotin

Unit Size: 0.5 mg

Technical Summary

Catalog No.	Dye	Ex/Em	MW
92004	CF@488A	490/515 nm	1310.5
92005	CF@568	562/583 nm	1110.4
92006	CF@594	593/614 nm	1125.4
92007	CF@640R	642/662 nm	1228.5

Storage and Handling

Store CF® Dye Biotin at -20°C, protected from light. Biotin conjugates are highly water soluble. Stock solutions of CF® Dye Biotin may be made in buffer or water at 5 mM or higher concentration. Stock solutions also may be prepared in DMF or DMSO.

Product Description

CF® dye biotin is a cell-impermeant, fixable polar tracer that is a conjugate of CF® dye and biotin with an aldehyde-fixable primary amine. Polar tracers are commonly used to investigate cell-cell and cell-liposome fusion as well as membrane permeability and transport through gap junctions or cell uptake during pinocytosis.

Fluorescent biotin conjugates typically are used for microinjection into cells at concentrations in the range of 0.2% to 0.5% (or lower) in buffer, which corresponds to concentrations in the range of ~1.5-4.5 mM for CF® Dye Biotins.

Related Products

Biotium also offers a line of next-generation fluorescent CF® dyes for labeling proteins and nucleic acids, with advantages in brightness, photostability, and water solubility compared to other fluorescent dyes. You may also be interested in the following related products from Biotium:

- CF® dye succinimidyl (NHS) ester, hydrazide, maleimide, amine, aminoxy, alkyne, azide, and other derivatives
- CF® dye protein labeling kits and Mix-n-Stain™ antibody labeling kits.
- CF® dye secondary antibody conjugates and other bioconjugates
- Please visit our website at www.biotium.com for details.